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LC308)

Revised to May 23, 1947

STANDARDS AND SPECIFICATIONS
FOR BUILDING AND CONSTRUCTION MATERIALS,
FIXTURES, SUPPLIES, AND EQUIPMENT

Contents

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GENERAL INFORMATION

Commercial Standards, Simplified Practice Recommendations, Federal Specifications, and Bureau publications for building and construction materials, fixtures, supplies, and equipment are listed herein; and where the price is stated the publication can be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Publications marked "Free" may be obtained without charge from the National Bureau of Standards, Washington 25, D. C. Federal Specifications are priced at 5 cents per copy except where otherwise indicated. The prices quoted are for delivery to addresses in the United States and its territories and possessions and in certain foreign countries which extend the franking privilege. In the case of all other countries, one-third the cost of the publication should be added to cover postage. Remittances should be made either by coupons (obtainable from the Superintendent of Documents in sets of 20 for \$1.00 and good until used), or by check or money order payable to the "Superintendent of Documents, Government Printing Office" and sent to him with order.

In the list of Federal Specifications beginning on page 5 asterisks are shown in front of certain specification symbols. These asterisks mean that lists of firms have been compiled from which products that are guaranteed to conform to the specifications may be bought. These lists are free upon request to the National Bureau of Standards.

An index of current Federal Specifications indicating the status of the specifications and showing the price of printed copies, has been published as Section IV, Part 1 of the Federal Standard Stock Catalog. Copies of this index may be purchased from the Superintendent of Documents at 25 cents per copy.

Publications marked "OP" are out of print but usually may be consulted in technical libraries.

Series letters with serial numbers are used to designate Bureau publications:

BH = Building and Housing publication

LC = Letter Circular

BMS = Building Materials and Structures Reports

M = Miscellaneous Publication

C = Circular

R = Simplified Practice Recommendation

CS = Commercial Standard

COMMERCIAL STANDARDS

| <u>Title</u> | <u>Series</u> | <u>Price</u> |
|---|---------------|--------------|
| Blinds; venetian; wood-slat..... | CS 61-37 | 5¢ |
| Board; structural fiber insulating (third edition)..... | CS 42-43 | 5¢ |
| Burners, domestic, (underfeed type) (for) Pennsylvania anthracite (second edition)..... | CS 48-40 | 5¢ |
| Burners, oil, mechanical-draft, automatic (second edition) | CS 75-42 | 10¢ |
| Calking lead..... | CS 94-41 | 5¢ |
| Colors and finishes for cast stone..... | CS 53-35 | 5¢ |
| Colors for bathroom accessories..... | CS 63-38 | 5¢ |
| Colors for kitchen accessories..... | CS 62-38 | 5¢ |
| Colors for sanitary ware (mimeographed)..... | CS 30-31 | Free |
| Compressors, air, tank-mounted..... | CS 126-45 | 10¢ |
| Convector, testing and rating of (mimeographed)..... | CS 140-47 | Free |
| Coolers, drinking water, self-contained, mechanically refrigerated..... | CS 127-45 | 10¢ |
| Doors; (entrance) factory fitted Douglas fir..... | CS 91-41 | 5¢ |
| Doors; standard stock Douglas fir (old growth) (third edition)..... | CS 73-45 | 10¢ |
| Doors; standard stock ponderosa pine..... | CS 120-46 | 10¢ |
| Enameled ware; cast iron, sanitary..... | CS 77-40 | 5¢ |
| Flooring, oak (second edition)..... | CS 56-41 | 5¢ |
| Furnaces, forced-air, solid-fuel-burning..... | CS 109-44 | 10¢ |
| Furnaces, gas floor - gravity circulating type..... | CS 99-42 | 5¢ |
| Furnaces, oil-burning, floor (equipped with vaporizing pot-type burners)..... | CS 113-44 | 10¢ |
| Furnaces, warm-air (equipped with oil-burners, vaporizing pot-type)..... | CS 104-46 | 10¢ |
| Hardware, builders' (nontemplate) (second edition)..... | CS 22-40 | 10¢ |
| Hardware, builders' (template) (second edition)..... | CS 9-33 | 5¢ |
| Hardware, plywood, (third edition) (mimeographed)..... | CS 35-47 | Free |
| Heaters (space); oil burning, flue-connected (with vaporizing-pot-type furnace)..... | CS 101-43 | 10¢ |
| Homes; prefabricated..... | CS 125-45 | 5¢ |
| Lining, closet, red cedar (aromatic) (mimeographed)..... | CS 26-30 | Free |
| Lumber, hardwood dimension..... | CS 60-36 | 10¢ |
| Lumber, tank stock; cedar, cypress and redwood..... | CS 92-41 | 5¢ |

Commercial Standards - cont.

| <u>Title</u> | <u>Series</u> | <u>Price</u> |
|--|---------------|--------------|
| Mineral wool; blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment..... | CS 117-44 | 10¢ |
| Mineral wool; loose, granulated or felted form, in low-temperature installations (mimeographed)..... | CS 105-43 | Free |
| Mirrors (second edition) (mimeographed)..... | CS 27-36 | Free |
| Nipples, pipe; brass, copper, steel, and wrought iron (second edition)..... | CS 5-46 | 5¢ |
| Paneling, solid hardwood wall..... | CS 74-39 | 5¢ |
| Pipe, bituminized-fiber; drain and sewer..... | CS 116-44 | 5¢ |
| Pipe; lead..... | CS 95-41 | 5¢ |
| Plumbing fixtures, earthenware (vitreous-glazed)..... | CS 111-43 | 5¢ |
| Plumbing fixtures, staple vitreous china (third edition) .. | CS 20-42 | 10¢ |
| Plywood; Douglas fir (sixth edition)..... | CS 45-45 | 10¢ |
| Plywood; hemlock, western..... | CS 122-45 | 5¢ |
| Plywood, hardwood (third edition) (mimeographed)..... | CS 35-47 | Free |
| Refrigeration-condensing units; electric, commercial (second edition)..... | CS 107-45 | 10¢ |
| Screening, wire; insect..... | CS 138-47 | 5¢ |
| Seats for water-closet bowls, staple (mimeographed)..... | CS 29-31 | Free |
| Shingles, wood (fourth edition)..... | CS 31-38 | 5¢ |
| Stair treads and risers, hardwood..... | CS 89-40 | 5¢ |
| Tents, cotton fabric, tarpaulins and covers (second edition) | CS 28-46 | 5¢ |
| Traps and bends; lead..... | CS 96-41 | 5¢ |
| Trim and molding; hardwood interior..... | CS 76-39 | 5¢ |
| Unions, standard weight, malleable iron or steel screwed (mimeographed)..... | CS 7-29 | Free |
| Veneers, walnut..... | CS 64-37 | 5¢ |
| Wall paper..... | CS 16-29 | 5¢ |
| Wallboard; fiber, homogeneous..... | CS 112-43 | 5¢ |
| Wool; mineral, blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment..... | CS 117-44 | 10¢ |
| Wool; mineral, loose, granulated or felted form, in low-temperature installations (mimeographed)..... | CS 105-43 | Free |

While the supply lasts, mimeographed copies of the above Commercial Standards are available without charge from the National Bureau of Standards, Washington 25, D. C.

SIMPLIFIED PRACTICE RECOMMENDATIONS

| <u>Title</u> | <u>Series</u> | <u>Price</u> |
|--|---------------|--------------|
| Aggregates, coarse (crushed stone, gravel and slag)..... | R 163-39 | 5¢ |
| Asbestos paper; and asbestos millboard..... | R 19-37 | 5¢ |
| Asphalt..... | R 4-36 | 5¢ |
| Asphalt roll roofing and asphalt-and-tar-saturated felt products..... | R 213-45 | 5¢ |
| Bars, steel, reinforcing..... | R 26-42 | 5¢ |
| Boilers, range; and expansion tanks..... | R 8-42 | 5¢ |
| Boilers, range (non-ferrous)..... | R 181-41 | 5¢ |
| Boilers, steel, heating, horizontal firebox..... | R 157-37 | 5¢ |
| Brick, common, and rough and smooth face brick..... | R 7 | 5¢ |
| Brick, paving, vitrified..... | R 1-40 | 5¢ |
| Brick, sand-lime..... | R 38-37 | 5¢ |
| Clay sewer pipe and fittings..... | R 211-45 | 10¢ |
| Concrete units, building..... | R 32-38 | 5¢ |
| Conductors, copper; (for building purposes) (mimeog)..... | R 180-41 | Free |
| Doors, hollow metal single acting swing; frames and trim... | R 82-28 | 5¢ |
| Doors, kalamein..... | R 83-28 | 5¢ |
| Eaves trough, conductor pipe, and fittings, and ridge rolls R | 29-42 | 5¢ |
| Fencing, galvanized woven-wire; and barbed wire..... | R 9-47 | 10¢ |
| Fittings, pipe, (grey cast iron, malleable iron and brass or bronze) (mimeog)..... | R 185-42 | Free |
| Fittings, solder-joint, cast brass..... | R 212-45 | 5¢ |
| Forms for concrete joist construction floors..... | R 87-32 | 5¢ |
| Hardware, builders (nontemplate) (Standards for Builders Hardware are set forth in Commercial Standard CS22-40) | R 18 | 5¢ |
| Insulating-board, structural (vegetable fiber)..... | R 179-42 | 5¢ |
| Joists, steel, open web..... | R 94-30 | 5¢ |
| Lath, metal (expanded and sheet) and metal plastering accessories..... | R 3-14 | 5¢ |
| Lights; sidewalk, floor, and roof..... | R 49 | 5¢ |
| Lumber..... | R 16-39 | 20¢ |
| Nails, wire, copper..... | R 150-34 | 5¢ |
| Paints, varnishes, and related products (colors and containers)..... | R 144-45 | 5¢ |
| Partitions, metal; for toilets and showers..... | R 101-40 | 5¢ |
| Pipes, ducts, and fittings for warm-air heating and air conditioning..... | R 207-45 | 10¢ |
| Pipe, stove, and accessories..... | R 190-42 | 5¢ |
| Pipe, wrought-iron and wrought-steel; and valves and fittings..... | R 57-32 | 5¢ |
| Plumbing fixtures, hospital..... | R 106-41 | 5¢ |
| Plumbing fixtures, staple vitreous china (included in Commercial Standard CS20-42)..... | R 52 | 5¢ |
| Radiators, cast-iron..... | R 174-47 | 5¢ |
| Refrigerator, ice compartment..... | R 109-29 | 10¢ |
| Roofing, iron and steel..... | R 78-28 | 5¢ |
| Roofing ternes..... | R 30-42 | 5¢ |
| Screen cloth, insect, wire..... | R 122-31 | 5¢ |

Simplified Practice Recommendations - cont.

| <u>Title</u> | <u>Series</u> | <u>Price</u> |
|---|---------------|--------------|
| Shades, cloth, window..... | R 199-43 | 5¢ |
| Slate, roofing (mimeog)..... | R 14-28 | Free |
| Slate, structural..... | R 13-28 | 10¢ |
| Steel, sheet..... | R 28-29 | 10¢ |
| Tacks, cut; and small cut nails..... | R 47-28 | 10¢ |
| Tanks, storage, hot water (mimeog)..... | R 25 | Free |
| Tile, asphalt..... | R 225-47 | 5¢ |
| Tile, building, hollow..... | R 12 | 5¢ |
| Tiles, clay; for floors and walls..... | R 61-44 | 10¢ |
| Traps, lavatory and sink, brass..... | R 21 | 5¢ |
| Windows, steel, solid section (mimeog)..... | R 72 | Free |
| Simplified practice, its purpose and application (mimeog).. | LC 590 | Free |

Where no price is shown, publications are available in mimeographed form only from the National Bureau of Standards, Washington 25, D. C.

FEDERAL SPECIFICATIONS

Index of Federal Specifications for Building and Construction
Materials, Fixtures, Supplies, and Equipment arranged by
Commodity Groups

*List of Willing-to-Certify Sources of Supply has been compiled.

| <u>ANIMAL PRODUCTS</u> | <u>Specification Symbol</u> |
|---|-----------------------------|
| Cushion; carpet and rug, hair-felt..... | *C-C-811 |
| Felt; hair..... | *C-F-201c |
| Glue; animal (for) woodworking..... | *C-G-451 |
| Glue; casein-type, water-resistant..... | C-G-456 |
| Glue; liquid..... | C-G-463 |

CABLE AND WIRE

| | |
|---|----------------|
| Cable, armored (including lead covered types and armored cord); 0 to 600-volt service..... | *J-C-71a |
| Cable, Cord, and Wire; electric, flexible, cotton-covered (general service)..... | J-C-86 (10¢) |
| Cable and Wire; rubber-insulated, building-type (0 to 5000- volt service)..... | *J-C-103 (10¢) |
| Cable and Wire; rubber-insulated (for) other than building- purposes, superaging-grade (0 to 8000-volt service)..... | *J-C-121 |
| Cable and Wire; varnished-cloth-insulated (0 to 5000-volt service)..... | J-C-138 |
| Cable and Wire; weather-resistant..... | J-C-145 |
| Cable-Units; battery and starter..... | J-C-231 |

CANVAS-ARTICLES

| | |
|--|----------|
| Paulins and Covers; duck (Tarpaulins)..... | *K-P-146 |
|--|----------|

CHEMICALS

| | |
|--|-----------|
| Acid; hydrochloric (muriatic), technical-grade..... | *O-A-86 |
| Calcium-Chloride; hydrated, technical-grade..... | *O-C-106a |
| Fire-Extinguishers; chemical, hand, carbon-tetrachloride type. | *O-F-351 |
| Fire-Extinguishers; chemical, hand, soda-and-acid type..... | *O-F-355a |
| Fire-Extinguishers; hand, portable, foam-type..... | *O-F-361 |
| Fire-Extinguishers; hand, portable, pump-tank-type..... | O-F-367 |
| Fire-Extinguishing-Liquid; carbon-tetrachloride base..... | *O-F-380a |
| Flux, soldering; paste..... | O-F-506 |
| Paste, linoleum..... | *O-P-106 |

CLEANING AND POLISHING MATERIALS

| | |
|--|-----------|
| Cloth; abrasive, aluminum-oxide..... | *P-C-451 |
| Compound; cleaning, soap-abrasive-type (for painted surfaces). | *P-C-565 |
| Compound; sweeping..... | *P-C-591a |
| Oil, floor; mineral..... | *P-O-361 |
| Paper; abrasive, artificial, waterproof..... | *P-P-101 |

| <u>CLEANING AND POLISHING MATERIALS (Cont.)</u> | <u>Specification</u> <u>Symbol</u> |
|---|---------------------------------------|
|---|---------------------------------------|

| | |
|---|-----------|
| Paper; flint..... | *P-P-111 |
| Paper; garnet..... | *P-P-121 |
| Paper; garnet, waterproof..... | *P-P-126 |
| Polish; furniture, liquid..... | *P-P-552 |
| Polish; metal..... | *P-P-556a |
| Powder; scouring (for) floors..... | *P-P-591 |
| Powder; scouring (for) highly-polished glass..... | *P-P-596a |
| Soap-Powder..... | *P-S-606a |
| Soap; toilet, powdered (for) dispensers..... | *P-S-626a |
| Soap-Borax-Compound; toilet (for) dispensers..... | *P-S-628 |
| Wax, floor; solvent-type liquid (with resins)..... | *P-W-134 |
| Wax, floor; water-emulsion..... | *P-W-151a |
| Wax, general-purpose; solvent-type, liquid and paste (for floors, furniture, etc.)..... | *P-W-158 |

COAL AND PRODUCTS

| | |
|--------------------|-----------|
| Coke; foundry..... | *Q-C-571a |
|--------------------|-----------|

COAL-TAR AND PRODUCTS

| | |
|---|----------|
| Naphthalene; balls and flakes..... | *R-N-91 |
| Pitch; coal-tar (for) mineral-surfaced built-up roofing, waterproofing and damp-proofing..... | *R-P-381 |
| Tar; (for) joint filler..... | *R-T-111 |
| Tars; (for use in) road-construction..... | *R-T-143 |

COOKING AND HEATING APPARATUS, FURNACES AND OVENS
(non-electric)

| | |
|--------------------------------------|---------|
| Forges; portable, coal-burning. | S-F-571 |
|--------------------------------------|---------|

CORDAGE, TWINE, AND PRODUCTS

| | |
|----------------------------------|-----------|
| Cord, sash; cotton, braided..... | *T-C-571a |
| Mops; cotton..... | *T-M-561a |

ELECTRIC-APPARATUS

| | |
|---|-----------|
| Bases; cut-out (for) enclosed-cartridge, open-link, and plug-fuses..... | *W-B-81a |
| Batteries and Cells; dry..... | *W-B-101a |
| Batteries, storage; ignition, lighting and starting..... | W-B-131b |
| Blasting-Apparatus (Machines, blasting; galvanometers and rheostats for testing blasting circuits and machines).... | W-B-411 |
| Boxes and Outlet-fittings, floor; (for) rigid-steel-conduit and electric-metallic-tubing (steel)..... | W-B-616 |
| Cleaners, vacuum; electric, portable..... | W-C-421a |
| Clock-Systems; electric..... | W-C-471a |
| Conduit and Fittings; asbestos-cement (for) electrical-purposes | W-C-571 |
| Conduit and Fittings; fiber, bituminized..... | W-C-581 |
| Connectors, wire; pressure, solderless (for electric cable and wire),..... | W-C-601a |

Specification
Symbol

ELECTRIC-APPARATUS (Cont.)

| | |
|--|--------------------|
| Drills; electric, portable (exclusive of high-frequency types) | W-D-661 |
| Electrodes; carbon, amorphous..... | W-E-441 |
| Fans, electric; bracket and desk types, rigid-blades (for shore use)..... | W-F-101a |
| Fire-Alarm-Systems; electric, manual, coded, positive noninterfering-type..... | W-F-391a |
| Fire-Alarm-Systems; electric, manual, coded, shunt noninterfering-type..... | W-F-396a |
| Fittings; cable and conduit..... | W-F-406 |
| Flashlights; electric, hand (without batteries)..... | *W-F-421a |
| Fuses; cartridge, inclosed, nonrenewable..... | W-F-791a |
| Fuses; cartridge, inclosed, renewable (fusible links not separately inclosed); and Renewable-Links therefor..... | *W-F-803a |
| Fuses; cartridge, inclosed, renewable (fusible links separately inclosed)..... | *W-F-805 |
| Fuses; plug, nonrenewable..... | *W-F-831 |
| Grinders; bench, electric..... | W-G-656 |
| Grinders; electric, portable..... | W-G-663 |
| Heaters, electric; water, storage, domestic..... | W-H-196 |
| Hot-Plates; electric..... | W-H-636a |
| Irons, soldering; electric..... | W-I-681a |
| Lamps; electric, incandescent, large, tungsten-filament | *W-L-101e |
| Lamps; electric, incandescent, large, tungsten-filament..... | W-L-101e 1947 Sup. |
| Lamps; electric, incandescent, miniature, tungsten-filament... | W-L-111b |
| Lamps; electric, incandescent, miniature, tungsten-filament... | W-L-111b 1947 Sup. |
| Lamp-Auxiliaries; fluorescent..... | W-L-131 |
| Lamp-Auxiliaries; fluorescent..... | W-L-131 1942 Sup. |
| Machines, floor-polishing and scrubbing; electric..... | W-M-46a |
| Outlet-Bodies; iron (cast or malleable), cadmium or zinc- coated with covers and accessories (for shore use)..... | W-O-806 |
| Outlet-Boxes; steel, cadmium or zinc-coated, with covers and accessories..... | W-O-821a |
| Panelboards; equipped with automatic-circuit-breakers..... | *W-P-131a |
| Panelboards; equipped with fuse-connections or switches and fuse-connections..... | W-P-146 |
| Pullers; fuse..... | W-P-796 |
| Raceways and Fittings; metallic, surface..... | W-R-32 |
| Raceways and Fittings; metallic, underfloor..... | W-R-36 |
| Raceways and Fittings; nonmetallic, underfloor..... | W-R-41 |
| Ranges; electric, domestic, cabinet-type..... | W-R-101 |
| Receptacles (convenience-outlets); adapters, attachment- plug-caps, cord-connector-bodies, current-taps, motor-base-plugs, and plug-bodies; 250-volts..... | *W-R-151a (30¢) |
| Switches; knife, open-type, front- and rear-connected..... | *W-S-871 |
| Switches; snap, miscellaneous..... | W-S-890 |
| Switches; snap, multiple-type and combination-devices, flush-type, with wall-plates..... | *W-S-893 |
| Switches; snap, single-unit, interchangeable, flush-type with wall-plates..... | *W-S-896 |

SpecificationELECTRIC-APPARATUS (Cont.)Symbol

| | |
|--|---------------|
| Transformers; distribution, single-phase, 60-cycles (100 KV-A and below; 15,000 volts and below)..... | W-T-631 (10¢) |
| Units, heating, electric; replacement (for water-heaters, ranges, and hot-plates)..... | W-U-546 |
| Watchmen's-Report systems..... | W-W-101a |

FURNITURE

| | |
|--|------------------|
| Beds; hospital..... | *AA-B-201 |
| Beds; hospital (adjustable spring bottom)..... | *AA-B-211b |
| Cabinets; filing, insulated, fire-resisting..... | AA-C-23 |
| Cabinets; stationery, storage, and clothing (steel)..... | *AA-C-31 |
| Cases; transfer, steel..... | *AA-C-121 |
| Chairs; bent-wood..... | *AA-C-281 |
| Chairs; folding, metal..... | *AA-C-291 |
| Chairs; office, wood..... | *AA-C-311 (10¢) |
| Chairs; operating, dental, motorless..... | AA-C-326 |
| Chairs, wheel; invalid..... | AA-C-346a |
| Costumers; wood..... | *AA-C-556 |
| Cots; folding, canvas..... | *AA-C-571a |
| Cots; folding, hospital, steel..... | AA-C-581a |
| Desks; steel..... | *AA-D-191 |
| Desks; wood..... | *AA-D-201 |
| Furniture and Cabinets; office, sectional, steel..... | *AA-F-791b (10¢) |
| Furniture and Cabinets; office, sectional, wood..... | *AA-F-801 |
| Lockers; clothes, steel..... | *AA-L-486 |
| Refrigerators; electric, portable..... | AA-R-211a |
| Safes; burglar-resisting..... | *AA-S-71 |
| Safes; insulated..... | *AA-S-81a |
| Settees; wood..... | *AA-S-256 |
| Shelving; steel, storage..... | *AA-S-271a |
| Stands; dictionary..... | *AA-S-671 |
| Stools; foot..... | AA-S-691 |
| Stools; wood..... | *AA-S-701 (10¢) |
| Tables; office, steel..... | *AA-T-91 |
| Tables; and Typewriter-Stands, wood..... | *AA-T-101 |
| Wardrobes; wood..... | *AA-W-131 |

GENERATORS AND MOTORS

| | |
|--|----------------|
| Motors; alternating-current, fractional-horsepower, single-phase and universal..... | CC-M-636 |
| Motors; alternating-current, integral-horsepower..... | CC-M-641 (10¢) |

GLASS AND GLASSWARE

| | |
|--|-----------|
| Chimneys and Globes (lamp and lantern); glass..... | *DD-C-311 |
| Glass; flat (for) glazing purpose..... | *DD-G-451 |
| Glass; flat, glazing (for) transmitting not less than 25% of ultra-violet radiation at wave length 302 millimicrons | DD-G-476 |
| Glasses, gage; reflex and round, tank (for pressures under 125 pounds)..... | DD-G-496 |
| Glasses, gage; round, boiler, (for pressures 125 pounds and over)..... | DD-G-511 |

| <u>HARDWARE</u> | <u>Specification</u> <u>Symbol</u> |
|--|---------------------------------------|
| Bearings; ball..... | FF-B-171 (20¢) |
| Bearings; roller..... | FF-B-186 (10¢) |
| Bolts, lag; steel (lag-screws)..... | *FF-B-561 |
| Bolts; Nuts; Studs; and Tap-Rivets (and material for same)..... | *FF-B-571a |
| Casters; metal-chair..... | *FF-C-81 |
| Casters; truck..... | *FF-C-86 |
| Casters, wood-chair..... | *FF-C-91a |
| Dispensers; soap..... | *FF-D-396b |
| Hardware, builders'; locks and lock-trim..... | *FF-H-106 |
| Hardware, builders'; shelf and miscellaneous..... | *FF-H-111 (10¢) |
| Hardware, builders'; hinges..... | *FF-H-116b (10¢) |
| Hardware, builders'; door-closers..... | *FF-H-121a |
| Hardware and Fittings; (for) lavatory partitions and inclosures | *FF-H-136 |
| Nails; Spikes; Staples; and Tacks..... | *FF-N-101 (10¢) |
| Padlocks..... | *FF-P-101b |
| Pins; cotter, split..... | *FF-P-386a |
| Pulleys; eye, single sheave, with attachment for balkan frame, (for) hospitals..... | FF-P-806 |
| Screws, machine; (including screws, set)..... | *FF-S-91 |
| Screws; wood..... | *FF-S-111 |
| Turnbuckles..... | *FF-T-791 |
| Wool; steel..... | *FF-W-556 |

INSTRUMENTS

| | |
|--|------------|
| Boards; drawing..... | GG-B-546 |
| Clocks; pendulum (for) general purposes..... | *GG-C-451 |
| Clocks; synchronous-motor (for) general purposes..... | *GG-C-466 |
| Gages; pressure, (for) direct-stem-mounting..... | *GG-G-66 |
| Gages; pressure and vacuum (for) air, ammonia, oil, steam, and water..... | *GG-G-76 |
| Hydrometers; syringe (for lead-acid storage batteries)..... | GG-H-941 |
| Instruments; drawing, nickel-silver (first-grade)..... | *GG-I-531a |
| Saws, dental; detachable blades and frames..... | GG-S-149 |
| Triangles; plastic, transparent..... | *GG-T-671a |
| T-Squares; plastic, wood, and wood-and-plastic..... | *GG-T-711b |

INSULATING MATERIALS

| | |
|---|------------|
| Brick; fire-clay..... | *HH-B-671c |
| Brick; silica..... | *HH-B-681 |
| Cement, insulation; thermal, mineral-wool..... | HH-C-168 |
| Cement; silica..... | HH-C-176 |
| Clay; fire, ground..... | *HH-C-451b |
| Compound; plumbing-fixture-setting..... | HH-C-536 |
| Cork; compressed (corkboard) (for thermal insulation)..... | *HH-C-561b |
| Cork; granulated, insulating..... | *HH-C-571a |
| Cork-Composition; gasket and sheet..... | HH-C-576 |
| Cotton-Fabric; woven, asphalt-saturated..... | *HH-C-581a |
| Cotton-Fabric; woven, coal-tar-saturated..... | HH-C-591 |
| Felt; asphalt-saturated (for) flashings, roofing, and waterproofing..... | *HH-F-191a |
| Felt; coal-tar-saturated (for) roofing and waterproofing..... | *HH-F-201 |

INSULATING MATERIALS (Cont.)Specification
Symbol

| | |
|--|------------|
| Filler, expansion-joint, preformed; nonextruding- | |
| bituminous-fiber-type (for concrete)..... | HH-F-334 |
| Filler, expansion-joint, preformed; nonextruding and | |
| resilient-types (for concrete)..... | HH-F-341 |
| Gaskets; asbestos-copper, corrugated..... | *HH-G-71 |
| Gaskets; asbestos, metallic-cloth..... | *HH-G-76a |
| Gaskets; metallic-encased..... | *HH-G-101 |
| Gaskets; plumbing-fixture-setting..... | HH-G-116 |
| Gaskets; rubber(natural or synthetic), molded | |
| sheet, and strip..... | *HH-G-156b |
| Insulation; building, mineral-wool batts, loose-fill | |
| and granular-fill..... | HH-I-521c |
| Insulation; cotton batts..... | HH-I-528 |
| Insulation (glass-fiber); semi-rigid..... | HH-I-556 |
| Insulation; laminated-asbestos..... | HH-I-561b |
| Insulation (vegetable or wood-fiber); blanket, felt, | |
| and loose-fill..... | HH-I-571a |
| Insulation, vermiculite; block and pipe-covering (molded)..... | HH-I-578a |
| Linings, brake; (automotive-use)..... | *HH-L-361a |
| Magnesia; block, cement, and pipe-covering (molded)..... | *HH-M-61a |
| Millboard; asbestos..... | *HH-M-351a |
| Mineral-Wool, impregnated; blanket, block, and pipe-covering | |
| (molded), (for low temperatures)..... | HH-M-371a |
| Mortar; air-setting, refractory, bonding, (wet and dry types). | HH-M-611a |
| Mortar; heat-setting, refractory..... | HH-M-622 |
| Packing; asbestos, metallic-cloth, sheet and tape..... | *HH-P-31a |
| Packing; asbestos, rod, braided..... | HH-P-34a |
| Packing; asbestos, rod, high-pressure..... | *HH-P-36a |
| Packing; asbestos, rope and wick..... | *HH-P-41 |
| Packing; asbestos, sheet, compressed..... | *HH-P-46a |
| Packing; asbestos, valve-stem..... | *HH-P-51a |
| Packing; diaphragm..... | *HH-P-61d |
| Packing; fabric, condenser-tube..... | *HH-P-71 |
| Packing; fiber, hard, sheet..... | *HH-P-91a |
| Packing; fiber, (animal or plant); sheet (for) lubricating | |
| and fuel-oil..... | *HH-P-96b |
| Packing; flax, hemp, or cotton..... | *HH-P-106b |
| Packing; hydraulic..... | *HH-P-112a |
| Packing; jute, twisted..... | HH-P-117 |
| Packing; metallic, flexible..... | *HH-P-126b |
| Packing; metallic, flexible, condenser-tube..... | HH-P-128 |
| Packing; metallic and nonmetallic, plastic..... | *HH-P-131a |
| Packing; rubber, cloth-insertion..... | *HH-P-151b |
| Packing; semimetallic..... | *HH-P-166a |
| Packing; spiral, gland, low-pressure..... | *HH-P-171a |
| Phenolic-Condensation-Products; laminated (for | |
| electric purposes)..... | HH-P-256 |
| Pipe-Covering; cork, molded..... | HH-P-381 |
| Pipe-Covering; mineral-wool (molded-type and blanket-type | |
| for heated pipes)..... | *HH-P-387 |
| Refractories; fire-clay, plastic..... | *HH-R-191 |
| Tape; friction..... | *HH-T-101a |
| Tape; rubber (natural and synthetic), insulating..... | *HH-T-111c |
| Tubing; flexible, nonmetallic..... | *HH-T-791a |

| | <u>Specification</u> |
|---|----------------------|
| | <u>Symbol</u> |
| <u>KNIT GOODS, NETTING, AND WEBBING</u> | |
| Gloves; working, cotton, with-leather-palm..... | *JJ-G-451 |
| Hose; fire, linen, unlined..... | JJ-H-571 |

LEATHER AND LEATHER-GOODS

| | |
|---------------------------------------|------------|
| Leather; artificial (upholstery)..... | *KK-L-136b |
| Leather; upholstery..... | *KK-L-291b |

LUMBER

| | |
|----------------------------------|-----------|
| Lumber and Timber; hardwood..... | MM-L-736 |
| Lumber and Timber; softwood..... | MM-L-751c |

LUMBER PRODUCTS

| | |
|---|-----------|
| Handles; ash (for) tools..... | *NN-H-81 |
| Handles; hickory; striking-tool..... | *NN-H-93 |
| Handles; mop..... | *NN-H-101 |
| Handles; wood, miscellaneous (for) tools..... | *NN-H-106 |

MACHINERY

| | |
|--|------------|
| Air-Conditioning-Units (room-coolers); electric-motor-driven, portable..... | *OO-A-361 |
| Coolers, drinking-water; electric..... | *OO-C-566a |
| Grinders; bench, hand-power..... | *OO-G-661 |
| Hammers; electric, portable..... | OO-H-103 |
| Sanders, portable; belt, disk, and oscillating..... | OO-S-101 |

METALS

| | |
|--|------------|
| Bars; reinforcement, (for) concrete..... | *QQ-B-71a |
| Bases, metal; (for) plaster and stucco construction..... | *QQ-B-101c |
| Copper; bars, plates, rods, shapes, sheets, and strips..... | *QQ-C-501a |
| Culverts; iron or steel, zinc-coated..... | *QQ-C-806 |
| Iron and Steel; sheet, zinc-coated (galvanized)..... | *QQ-I-716 |
| Lead; calking..... | *QQ-L-156 |
| Lead; sheet..... | *QQ-L-201 |
| Solder; tin-lead..... | *QQ-S-571a |
| Steel; carbon (low-carbon), sheets and strips..... | *QQ-S-636 |
| Steel; staybolt (boiler)..... | *QQ-S-701 |
| Steel, structural (including welding) and rivet; (for) bridges and buildings..... | *QQ-S-741 |
| Steel, Corrosion-Resisting; plates, sheets, strips, and structural-shapes..... | QQ-S-766a |
| Terne-Plate (long-ternes)..... | *QQ-T-191 |
| Terne-Plate (roofing-tin)..... | QQ-T-201a |
| Zinc; plates, sheets, and strips..... | *QQ-Z-301a |

METAL PRODUCTS

| | |
|--|------------------|
| Cloth; wire, screen..... | *KR-C-451a |
| Fencing; chain-link or welded..... | *RR-F-191 |
| Fencing; wire (barbed, netting, and woven), black and galvanized..... | *RR-F-221 |
| Gratings; steel, floor (except for Naval vessels)..... | *RR-G-661a |
| Rope; wire..... | *RR-R-571a (15¢) |
| Tile, wall; enameled-iron..... | RR-T-421 |
| Treads; safety, metallic..... | *RR-T-661 |

MINERALS AND PRODUCTS (nonmetallic)Specification
Symbol

| | |
|--|-----------------|
| Acoustic-Materials; (for) plastic application..... | *SS-A-111 |
| Acoustical-Units; prefabricated..... | *SS-A-118 |
| Aggregate; (for) portland cement concrete..... | *SS-A-281a |
| Asphalt; (for) built-up roofing, waterproofing, and dampproofing..... | *SS-A-666 |
| Asphalt; cut-back (for) road-work..... | *SS-A-671a |
| Asphalt; emulsion (for) road-work..... | *SS-A-674a |
| Asphalt; petroleum, type PAF-1-25, (for) joint-filler (Squeegee or pouring method)..... | *SS-A-696 |
| Asphalt-Primer; (for) roofing and waterproofing..... | *SS-A-701 |
| Asphalt; (for use in) road and pavement construction..... | *SS-A-706b |
| Brick; building, (common), clay..... | *SS-B-656 |
| Brick; concrete..... | *SS-B-663 |
| Brick; paving..... | *SS-B-671a |
| Brick; sand-lime..... | *SS-B-681. |
| Brick; sewer, clay..... | *SS-B-691 |
| Cement; bituminous, plastic..... | *SS-C-153 |
| Cements, hydraulic; general specifications (methods for sampling, inspection, and testing)..... | SS-C-158b (15¢) |
| Cement; Keene's..... | *SS-C-161 |
| Cement; masonry..... | *SS-C-181b |
| Cements; portland..... | *SS-C-192 |
| Cement; portland, pozzolana..... | *SS-C-208a |
| Compound, jointing; sulfur (for bell-and-spigot cast-iron pipe) | SS-C-608 |
| Concrete-Units; masonry, hollow..... | *SS-C-621 |
| Crushed-Stone, Crushed-Gravel, and Crushed-Slag; (for) binder-course, sheet-asphalt-pavement..... | *SS-C-726a |
| Crushed-Stone, Crushed-Gravel, and Crushed-Slag; (for) bituminous-concrete-base or surface-course..... | *SS-C-731a |
| Crushed-Stone and Crushed-Slag; (for) bituminous-macadam-base or surface-course..... | *SS-C-736a |
| Crushed-Stone, Crushed-Slag, and Gravel; (for) Bituminous surface-treatment..... | *SS-C-741a |
| Crushed-Stone, Crushed-Slag, and Gravel; (for) sewage trickling filter media..... | SS-C-744 |
| Crushed-Stone and Crushed-Slag; (for) waterbound-base or wearing-course..... | *SS-C-746a |
| Filler; joint-sealing, hot-poured type (for concrete)..... | SS-F-336 |
| Granite-Blocks; recut granite, and durax granite pavements..... | *SS-G-651 |
| Lime; hydrated (for) structural purposes..... | *SS-L-351 |
| Lime; hydraulic, hydrated..... | *SS-L-361 |
| Materials; (for) cushion course, brick, stone-block, or wood- block pavements (sand, slag, limestone, screenings, etc.) | *SS-M-51 |
| Mineral-Filler; (for) sheet asphalt or asphaltic concrete pave- ments (portland cement, limestone dust and dolomite dust) | *SS-M-351 |
| Pipe; asbestos-cement..... | SS-F-351 |
| Pipe; clay, sewer..... | *SS-P-361a |
| Pipe; concrete, non-pressure, non-reinforced and reinforced... | *SS-P-371 |
| Plaster; gypsum..... | *SS-P-402 |
| Plaster-Board; gypsum..... | *SS-P-431a |

MINERALS AND PRODUCTS (nonmetallic)(Cont.)

| <u>Specification</u> | <u>Symbol</u> |
|----------------------|---------------|
|----------------------|---------------|

| | |
|--|-----------------|
| Quicklime; (for) structural purposes..... | *SS-Q-351 |
| Road and Paving-Materials; general specifications (methods for sampling and testing)..... | SS-R-406b (30¢) |
| Roof-Coating; asphalt, brushing-consistency..... | *SS-R-451 |
| Roofing; asphalt-prepared, smooth-surfaced..... | *SS-R-501 |
| Roofing; asphalt and asbestos-prepared, mineral-surfaced..... | *SS-R-511 |
| Roofing and Shingles; asphalt-prepared, mineral-surfaced..... | *SS-R-521 |
| Sand; (for) cement-mortar-bed, (for) brick, stone-block or wood-block pavements..... | *SS-S-51 |
| Sand; (for) grout-filler, brick and stone-block pavements..... | *SS-S-61 |
| Sand; (for use in) sheet asphalt of bituminous concrete pavements..... | *SS-S-71a |
| Sheathing-Board; gypsum..... | SS-S-276 |
| Sheets (corrugated) and Shapes; cement-asbestos..... | SS-S-284 |
| Shingles; roofing, cement-asbestos..... | *SS-S-291a |
| Siding; cement-asbestos..... | SS-S-346 |
| Slate; roofing..... | *SS-S-451 |
| Stone; architectural, cast..... | *SS-S-721 |
| Stones; sharpening..... | *SS-S-736 |
| Tile; asphalt..... | SS-T-306a |
| Tile, drain; clay..... | SS-T-310 |
| Tile; partition, gypsum..... | *SS-T-316 |
| Tile; structural, clay, floor..... | *SS-T-321 |
| Tile; structural, clay, load-bearing-wall..... | *SS-T-341a |
| Tile; structural, clay, non-load-bearing..... | *SS-T-351a |
| Wall-Board; gypsum..... | *SS-W-51a |

PAINTS, PIGMENTS, VARNISHES AND PRODUCTS

| | |
|--|------------|
| Aluminum-Pigment; powder and paste (for paint)..... | *TT-A-468 |
| Blue-Lead; basic-sulphate, dry and paste-in-oil..... | *TT-B-486 |
| Bone-Black; dry (paint pigment)..... | *TT-B-600 |
| Calcimine (cold- and hot-water-types)..... | *TT-C-96 |
| Carbon-Black; dry (paint pigment)..... | *TT-C-120 |
| Chrome-Green; pure, dry (paint pigment)..... | *TT-C-235 |
| Chrome-Yellow and Chrome-Range; dry (paint pigment)..... | *TT-C-290 |
| Chromium-Oxide-Green; dry (paint pigment)..... | *TT-C-306 |
| Compound, calking; plastic (for masonry and other structures)..... | *TT-C-598 |
| Copper-Phthalocyanine-Blue; dry (paint pigment)..... | *TT-C-610 |
| Drier; paint, liquid..... | *TT-D-651a |
| Enamel; drum-coating, exterior, rust-inhibiting, solvent-resistant..... | *TT-E-485a |
| Enamel; heat-resisting (400° F), black..... | *TT-E-496 |
| Enamel; interior, gloss, light-tints and white..... | *TT-E-506a |
| Enamel; interior, semigloss, tints and white..... | TT-E-508 |
| Enamel; lusterless, olive-drab (Primarily for nonmilitary-use)..... | *TT-E-514 |
| Enamel; pigmented (air-drying and baking), black..... | *TT-E-521 |
| Enamel; water-resisting, red..... | *TT-E-531a |
| Filler; wood, paste..... | *TT-F-336a |
| Indian-Red and Bright-Red; (Iron-Oxide) dry; (paint-pigments)..... | *TT-I-511a |
| Iron-Blue; dry (paint pigment)..... | *TT-I-677 |

PAINTS, PIGMENTS, VARNISHES AND PRODUCTS (Cont.)

Specification

Symbol

| | |
|--|----------------|
| Iron-Oxide; black, synthetic, dry (paint pigment)..... | *TT-I-698 |
| Iron-Oxide; brown, synthetic, dry (paint pigment)..... | *TT-I-702 |
| Lacquer; spraying, clear and pigmented (general use)..... | *TT-L-58 |
| Lampblack; dry (paint-pigment)..... | *TT-L-70 |
| Lithopone; dry (paint-pigment)..... | *TT-L-426 |
| Magnesium-Silicate; dry (paint-pigment)..... | *TT-M-90 |
| Metallic-Brown; dry (paint-pigment)..... | *TT-M-251 |
| Mineral-Red (Iron-Oxide), natural; dry (paint-pigments)..... | *TT-M-381 |
| Ccher; yellow, dry (paint-pigment)..... | *TT-O-121 |
| Oil; flattening and mixed (for thinning white-lead paste and similar paste paints)..... | *TT-O-356a |
| Oil; linseed-replacement (for thinning paints and pastes in oil)..... | *TT-O-371 |
| Paint, blue-lead-base; basic-sulphate, linseed-oil, ready-mixed..... | *TT-P-20 |
| Paint; cement-water, powder, white and tints (for interior and exterior-use)..... | *TT-P-21 |
| Paint; cold-water, exterior, powder (with mixing liquid)..... | *TT-P-22 |
| Paint; cold-water, interior, light-tints and white..... | *TT-P-23a |
| Paint; concrete and masonry, exterior, eggshell-finish, ready-mixed, white and tints..... | *TT-P-24 |
| Paint; exterior-primer, ready-mixed, white (under-coat for wood)..... | *TT-P-25 |
| Paint; graphite, outside, ready-mixed, black..... | *TT-P-27 |
| Paints; iron-oxide, ready-mixed and semipaste, red and brown.. | *TT-P-31a |
| Paint; oil, exterior, ready-mixed, light-tints and white..... | *TT-P-40 |
| Paint; oil, interior, 1-coat-flat, heavy-bodied (for thinning), light-tints and white (combined sealer, primer, and finish)..... | *TT-P-47 |
| Paints; oil, interior, eggshell-flat-finish, ready-mixed and semipaste, light-tints and white..... | *TT-P-51a |
| Paint; outside, ready-mixed, medium-chrome-yellow..... | *TT-P-53 |
| Paint; primer-sealer (for) plaster and wallboard..... | *TT-P-56a |
| Paint; ready-mixed, international-orange..... | *TT-P-59 |
| Paint; ready-mixed, black..... | *TT-P-61a |
| Paint; ready-mixed, exterior, chrome-green..... | *TT-P-71b |
| Paint; ready-mixed, olive-drab..... | *TT-P-81a |
| Paint, red-lead-base; linseed-oil, ready-mixed..... | *TT-P-86 |
| Paint; resin-emulsion, interior, paste, tints and white..... | *TT-P-88a |
| Paint; rubber-base, (for) cement-floors..... | *TT-P-91 |
| Paint; traffic, exterior, white and yellow..... | *TT-P-115 |
| Paint, Varnish, Lacquer, and related-materials; general specification for sampling and test methods..... | TT-P-141a(20¢) |
| Paint; varnish-base (for concrete and wood floors)..... | *TT-P-146 |
| Pigments-in-oil; paint colors..... | *TT-P-381 |
| Primer, paint; synthetic (for ferrous metal and wood surfaces) | TT-P-636 |
| Primer, paint; zinc dust-zinc oxide (for galvanized (zinc-coated) or zinc surfaces)..... | *TT-P-641 |
| Putty and Elastic-Compound; (for) metal-sash-glazing..... | *TT-P-781a |
| Putty; pure-linseed-oil, (for) wood sash-glazing..... | *TT-P-791a |
| Red-Lead; dry and paste-in-oil..... | *TT-R-191a |
| Remover; paint and varnish (organic-solvent-type)..... | *TT-R-251a |

Specification
Symbol

PAINTS, PIGMENTS, VARNISHES AND PRODUCTS (Cont.)

| | |
|---|------------|
| Sealer, floor; lacquer-type (for oiled wood floors)..... | *TT-S-171 |
| Sealer, floor; varnish-type (for wood and cork)..... | *TT-S-176a |
| Shellac; orange..... | *TT-S-271 |
| Sienna; burnt and raw, dry (paint-pigment)..... | *TT-S-346 |
| Thinner; lacquer | *TT-T-266 |
| Thinner; paint, volatile mineral spirits..... | *TT-T-291a |
| Titanium-Dioxide; dry (paint-pigment)..... | *TT-T-425 |
| Toluidine-Red-Toner; dry (paint-pigment)..... | *TT-T-562 |
| Ultramarine-blue; dry (paint-pigment)..... | *TT-U-450 |
| Umber, burnt and raw; dry (paint-pigment)..... | *TT-U-481 |
| Varnish; asphalt..... | *TT-V-51a |
| Varnish; damar. | *TT-V-61 |
| Varnish; interior..... | *TT-V-71a |
| Varnish; mixing (for) aluminum-paint..... | *TT-V-81a |
| Varnish, Rubbing; cabinet..... | *TT-V-86 |
| Varnish; shellac..... | *TT-V-91a |
| Varnish; spar, water-resisting..... | *TT-V-121b |
| Varnish; spirit (shellac varnish replacement)..... | *TT-V-130 |
| Venetian-Red; dry (paint-pigment)..... | *TT-V-226 |
| White-Lead; basic-carbonate, dry, paste-in-oil, and semipaste containing volatile-thinner..... | *TT-W-251b |
| White-Lead; basic-sulphate, dry and paste-in-oil..... | *TT-W-261a |
| Wood-Preservative; anthracene-oil (for) brush, spray, and open-tank treatment..... | *TT-W-531 |
| Wood-Preservative; celcure (acid-cupric-chromate)..... | *TT-W-546 |
| Wood-Preservative; chromated-zinc-chloride..... | *TT-W-551 |
| Wood-Preservative; coal-tar creosote..... | *TT-W-556a |
| Wood-Preservative; coal-tar-creosote (crystal-free), (for) brush, spray, or open-tank treatment..... | *TT-W-560 |
| Wood-Preservative; creosote-coal-tar-solution..... | *TT-W-566a |
| Wood-Preservative; creosote-petroleum-solution..... | *TT-W-568 |
| Wood-Preservative; recommended treating practice..... | TT-W-571b |
| Wood-Preservative; Wolman-salt (Tanalith)..... | *TT-W-573 |
| Wood-Preservative; zinc-chloride..... | *TT-W-576a |
| Wood-Preservative; zinc-meta-arsenite (ZMA)..... | *TT-W-581 |
| Yellow-Iron-Oxide; hydrated, synthetic, dry (paint-pigment)... | *TT-Y-216 |
| Zinc-Dust (Metallic-Zinc-Powder); dry (paint pigment)..... | TT-Z-291 |
| Zinc-Oxide; dry and paste-in-oil..... | *TT-Z-301 |
| Zinc-Oxide; leaded, dry and paste-in-oil..... | *TT-Z-321 |
| Zinc-Yellow (Zinc-Chromate); dry (paint-pigment)..... | *TT-Z-415 |

PAPER AND PRODUCTS

| | |
|--|------------|
| Paper, kraft; concrete-curing, waterproofed..... | UU-P-264 |
| Paper; sheathing, waterproof..... | *UU-P-536 |
| Wall-Board; composition..... | *UU-W-101a |

PETROLEUM AND PRODUCTS

| <u>Specification</u> | <u>Symbol</u> |
|----------------------|---------------|
|----------------------|---------------|

| | |
|--|------------|
| Kerosene..... | *VV-K-211a |
| Lubricant; chain and wire-rope..... | *VV-L-751 |
| Oil; cutting, mineral-fatty-oil-blend..... | *VV-O-251a |
| Oil; cutting, soluble..... | *VV-O-261 |
| Oil; fuel, (for) oil-burners..... | *VV-O-326 |
| Oil; illuminating, long-time-burning..... | *VV-O-381 |
| Oil; lubricating, turbine, dynamo, and high-speed steam-engine | *VV-O-661 |
| Oil; road, type OH-1-25, hot-application..... | *VV-O-751 |

PIPE, PIPE-FITTINGS, PLUMBING-FIXTURES, TUBES, AND TUBING (metallic)

| | |
|---|------------------|
| Conduit; steel, flexible..... | VV-C-566 |
| Conduit; steel, rigid, enameled..... | *VV-C-571 |
| Conduit; steel, rigid, zinc-coated..... | *VV-C-581a |
| Coupling; hose, cotton (rubber-lined) and linen (unlined).... | *VV-C-621a |
| Coupling; hose, garden and water..... | *VV-C-623a |
| Couplings; hose, oil-suction and discharge..... | *VV-C-626 |
| Couplings; hose, pneumatic and spray (for working pressures up to 150 pounds per square inch)..... | *VV-C-631 |
| Couplings; hose, steam..... | *VV-C-636 |
| Couplings; hose, water-suction..... | *VV-C-646 |
| Flange-Dimensions, standard; (classes 125 and 250 cast-iron flanges; classes 150, 250, and 300 bronze-flanges), (for land use)..... | VV-F-406a |
| Nipples, pipe; brass, steel, and wrought-iron..... | *VV-N-351 |
| Pipe, Bends and Traps; lead (for) plumbing and water-distribution..... | VV-P-325 |
| Pipe; brass, seamless, iron-pipe-size, standard and extra-strong..... | *VV-P-351 |
| Pipe, cast-iron; drainage, vent, and waste (threaded)..... | *VV-P-356 |
| Pipe; copper, seamless, iron-pipe-size, standard..... | *VV-P-377 |
| Pipe and Pipe-Fittings; soil, cast-iron..... | *VV-P-401 |
| Pipe; steel and ferrous-alloy (for) bending, flanging, etc. (iron-pipe-size)..... | *VV-P-404 |
| Pipe; steel and ferrous-alloy (for) ordinary uses (iron-pipe-size)..... | *VV-P-406 |
| Pipe; water, cast-iron (bell and spigot, and bolted-joint)... | *VV-P-421 |
| Pipe; wrought-iron, welded; black and zinc-coated..... | VV-P-441a |
| Pipe-Fittings; bronze (screwed), 125- and 250-pound..... | *VV-P-460 |
| Pipe-Fittings (bushings, plugs, and locknuts); bronze and ferrous, (screwed)..... | VV-P-471 |
| Pipe-Fittings; cast-iron, drainage..... | *VV-P-491a |
| Pipe-Fittings; cast-iron (screwed), 125- and 250-pound..... | *VV-P-501b |
| Pipe-Fittings; malleable-iron (screwed), 150-pound..... | *VV-P-521b |
| Plumbing-Fixtures; (for) land use..... | *VV-P-541a (15¢) |
| Plumbing-Fixtures; (for) land use (Formed-Metal Plumbing-Fixtures)..... | VV-P-542 |
| Traps; radiator, thermostatic, brass or bronze, low-pressure, 100 square-foot-size (for land use)..... | *VV-T-696 |
| Tubes; boiler, charcoal-iron, lapwelded..... | VV-T-721 |
| Tubes; boiler, steel..... | *VV-T-731a |
| Tubes; condenser and ferrule-stock, Admiralty-metal..... | *VV-T-756a |

| <u>PIPE, PIPE-FITTINGS, PLUMBING-FIXTURES, TUBES, AND TUBING</u> <u>(metallic) (Cont.)</u> | Specification Symbol |
|---|-------------------------|
|---|-------------------------|

| | |
|---|------------|
| Tubing, aluminum (AL-2); round, seamless..... | *VV-T-783a |
| Tubing, aluminum (AL-24). (Aluminum-copper-magnesium (1.5%) -manganese); round, seamless..... | VV-T-785 |
| Tubing, aluminum-alloy (AL-17) (aluminum-copper, magnesium- manganese); round, seamless..... | *VV-T-786a |
| Tubing, aluminum-alloy (AL-52) (aluminum-magnesium- chromium); round, seamless..... | VV-T-787 |
| Tubing, aluminum-alloy (AL-3) (aluminum-manganese), round, seamless..... | *VV-T-788a |
| Tubing, aluminum-alloy (AL-61) (aluminum-manganese-silicon); round, seamless..... | VV-T-789 |
| Tubing, aluminum-alloy (AL-53), (aluminum-magnesium- silicon-chromium); round, seamless..... | VV-T-790 |
| Tubing; brass, seamless..... | *VV-T-791 |
| Tubing; copper, seamless (for general use with I. P. S. flanged-fittings)..... | *VV-T-797 |
| Tubing; copper, seamless (for use with soldered or flared- fittings)..... | *VV-T-799a |
| Tubing; electrical, metallic..... | *VV-T-806a |
| Unions; brass or bronze, 250-pounds..... | *VV-U-516 |
| Unions; malleable-iron or steel, 250-pounds..... | *VV-U-531 |
| Unions; malleable-iron or steel, 300-pounds..... | *VV-U-536 |
| Valves, bronze; angle, check, and globe, 125- and 150-pound, screwed and flanged (for land use)..... | *VV-V-51a |
| Valves, bronze, gate; 125- and 150-pound, screwed and flanged (for land use)..... | *VV-V-54 |
| Valves, cast-iron, gate; 125- and 250-pound, screwed and flanged (for land use)..... | *VV-V-58 |
| Valves, cylinder; oxygen (for standard and industrial cylinders)..... | *VV-V-61 |
| Valves, radiator; air, thermostatic (gravity-steamheating- systems)..... | *VV-V-151 |

RUBBER AND RUBBER-GOODS

| | |
|---|------------|
| Cushion (underlay); carpet and rug, sponge-rubber..... | ZZ-C-811 |
| Floor-Covering; rubber, sheet..... | *ZZ-F-461 |
| Hose; fire, cotton, rubber-lined..... | *ZZ-H-451a |
| Hose; gas (acetylene, air, hydrogen, and oxygen)..... | *ZZ-H-461a |
| Hose; water, braided..... | *ZZ-H-601 |
| Hose; water, wrapped..... | *ZZ-H-611 |
| Mats, Floor; rubber, link-type..... | ZZ-M-46 |
| Matting; rubber..... | *ZZ-M-71 |
| Matting; rubber (for use around electrical apparatus or circuits not exceeding 3,000 volts to ground)..... | *ZZ-M-81 |
| Tile, floor, rubber..... | ZZ-T-301 |

TEXTILES (yardage)

| | |
|--------------------|-------------|
| Cloth; awning..... | *CCC-C-406 |
| Cloth; shade..... | *CCC-C-521a |

TEXTILE PRODUCTSSpecification
Symbol

| | |
|---|-------------|
| Mats; cotton (for concrete-curing)..... | DDD-M-148 |
| Mats, door; fiber..... | *DDD-M-156a |
| Shades, window; rollers, slats, cords, and accessories..... | *DDD-S-251a |

TOOLS

| | |
|---|-------------|
| Adzes..... | *GGG-A-151a |
| Anvils; blacksmiths'..... | GGG-A-576 |
| Awls..... | GGG-A-891 |
| Axes..... | *GGG-A-926a |
| Bars; chisel, crow, pinch, and wrecking..... | *GGG-B-101 |
| Bits; screw-driver..... | *GGG-B-376 |
| Bits; woodboring; and chisels, mortising, hollow..... | *GGG-B-383 |
| Blades; hacksaw (hand)..... | GGG-B-451 |
| Braces; ratchet..... | *GGG-B-671a |
| Chisels, gouges, and slicks; woodworkers'..... | *GGG-C-311 |
| Clamps; and hand-screws..... | *GGG-C-406 |
| Coppers (irons); soldering..... | *GGG-C-571a |
| Countersinks; steel (carbon and high-speed)..... | GGG-C-613 |
| Cutlery; galley and kitchen..... | *GGG-C-746a |
| Cutters, glass; wheel type (for sheet-glass and round-gage-glass)..... | *GGG-C-751a |
| Cutters; pipe..... | *GGG-C-771 |
| Drills; breast..... | GGG-D-651 |
| Drills; hand..... | GGG-D-671 |
| Frames; hack-saw..... | *GGG-F-671 |
| Gages; plug and ring, plain and thread..... | *GGG-G-61 |
| Goggles; eyecup, protective, impact-resisting (chippers', grinders', etc.)..... | *GGG-G-501b |
| Goggles; eyecup, protective (welders')..... | *GGG-G-511a |
| Goggles; rubber-frame..... | *GGG-G-521 |
| Hammers, mauls, and sledges..... | GGG-H-86 |
| Hand-saw-sets..... | *GGG-H-101a |
| Hatchets..... | *GGG-H-131a |
| Helmets; babbetting..... | GGG-H-171 |
| Helmets and masks; (for) abrasive-cleaning..... | *GGG-H-201 |
| Helmets and shields (hand-held); welders'..... | *GGG-H-211 |
| Hoes; garden and mortar..... | GGG-H-496 |
| Hoes; Mattocks; and picks..... | *GGG-H-506a |
| Hooks; bush (brush)..... | GGG-H-601 |
| Hooks; grass (sickles)..... | GGG-H-608 |
| Irons; calking, wood..... | GGG-I-671 |
| Jacks..... | *GGG-J-51a |
| Knives; linoleum, plumbers'-chipping, putty, scraping, and shoe..... | *GGG-K-481 |
| Ladles; plumbers'..... | *GGG-L-51 |
| Levels and plumbs..... | *GGG-L-211 |
| Nail-sets..... | *GGG-N-71 |
| Picks; ice..... | GGG-P-323 |
| Pipe-threads; taper (American-National)..... | GGG-P-351a |
| Planes..... | *GGG-P-436 |
| Pliers and nippers..... | GGG-P-471 |

Specification
Symbol

TOOLS (Cont.)

| | |
|---|-------------|
| Plumb-bobs..... | *GGG-P-501 |
| Pots; fire; gasoline and kerosene..... | GGG-P-596 |
| Pullers; nail..... | *GGG-P-791 |
| Punches; bag, center, coopers' coppering, cutting, tinners', and drive-pin..... | *GGG-P-831 |
| Rakes; hand..... | GGG-R-96 |
| Rules..... | *GGG-R-791 |
| Saws..... | *GGG-S-61a |
| Scissors and shears..... | *GGG-S-101b |
| Screw-drivers..... | *GGG-S-121a |
| Scribers; machinists'..... | *GGG-S-131a |
| Scythes and snaths..... | GGG-S-186 |
| Sets-and-headers; rivet, hand..... | *GGG-S-246 |
| Shears; tinners', bench, and hand (snips)..... | *GGG-S-291 |
| Shovels (scoops, spades, and spoons)..... | *GGG-S-326 |
| Squares; carpenters', die-makers', and machinists'..... | GGG-S-656 |
| Tapes; measuring, general-use..... | GGG-T-106 |
| Torches, blow; hand..... | GGG-T-576 |
| Tools; pipe-threading, hand..... | *GGG-T-581 |
| Trowels; plastering, cement, brick, and pointing..... | *GGG-T-671 |
| Vises..... | *GGG-V-436a |
| Wrenches, bolt and nut; adjustable, open-end..... | GGG-W-631 |
| Wrenches, bolt and nut; nonadjustable (open-end and box)..... | GGG-W-636 |
| Wrenches, bolt and nut; socket..... | GGG-W-641a |
| Wrenches; pipe..... | *GGG-W-651a |

VEGETABLE PRODUCTS

| | |
|--|------------|
| Oil; linseed, boiled..... | *JJJ-O-331 |
| Oil; linseed, raw..... | *JJJ-O-336 |
| Oil; soybean; refined (for paint and varnish)..... | *JJJ-O-348 |
| Oil; tung (china-wood), raw..... | *JJJ-O-353 |
| Wax; carnauba..... | *JJJ-W-141 |

WOOD PRODUCTS

| | |
|---|-------------|
| Blinds; venetian, wood-slat..... | LLL-B-441 |
| Carpet; cork..... | LLL-C-96 |
| Charcoal..... | LLL-C-251 |
| Fiber-Board; hard-pressed, structural..... | LLL-F-311 |
| Fiber-Board; insulating..... | LLL-F-321b |
| Floor-coverings; felt-backed..... | LLL-F-471 |
| Linoleum; battleship..... | *LLL-L-351a |
| Linoleum; inlaid and molded..... | *LLL-L-359 |
| Linoleum; plain, jaspe and marbelized..... | *LLL-L-367 |
| Shades, window; wood-slats..... | LLL-S-256 |
| Tile; cork..... | LLL-T-431 |
| Turpentine; gum-spirits and wood (steam-distilled and sulphate), (for) paint..... | *LLL-T-791b |
| Turpentine; wood (destructively-distilled), (for) paint..... | *LLL-T-792a |

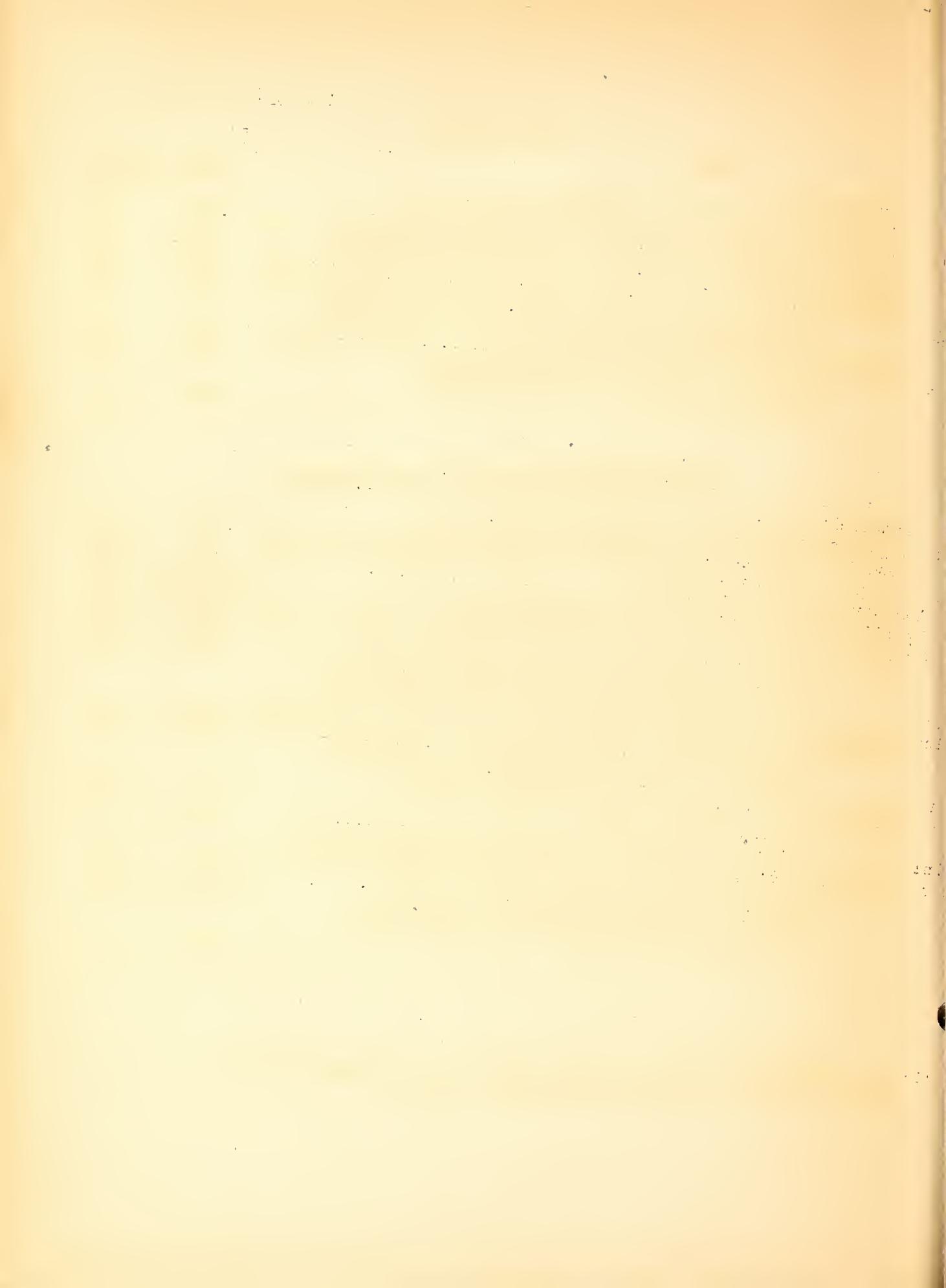
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| List of publications of interest to the general public (1947)... . | LC849 | Free |
| List of published material relating to home building and maintenance (including the more important National Bu- reau of Standards publications on subjects covered) (1947) | LC856 | Free |
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| Publications relating to building codes and construction practice, home building--building material specifications--home maintenance (1947)..... | LC858 | Free |
| Safety for the household (1947)..... | C463 | |
| Standards and specifications for building and construction materials, fixtures, supplies, and equipment (list) (1947) | LC860 | Free |
| Technical information on building materials (list)..... | TIBM(list) | Free |
| The certification plan, its significance, scope, and application to selected Federal specifications and commercial standards..... | LC607 | Free |

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